

Product datasheet for **RG213242**

CT45A4 (NM_001017436) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CT45A4 (NM_001017436) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CT45A4
Synonyms: CT45-4; CT45.4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG213242 representing NM_001017436
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACCGATAAAACAGAGAAGGTGGCTGTAGATCCTGAACTGTGTTTAAACGTCCAGGGAATGTGACA
 GTCCTTCGTATCAGAAAAGGCAGAGGATGGCCCTGTTGGCAAGGAAACAAGGAGCAGGAGACAGCCTTAT
 TGCAGGCTCTGCCATGTCCAAAGCAAAGAAGCTTATGACAGGACATGCTATTCCACCCAGCCAATTGGAT
 TCTCAGATTGATGACTTCACTGGTTTCAGCAAAGATAGGATGATGCAGAAACCTGGTAGCAATGCACCTG
 TGGGAGGAAACGTTACCAGCAGTTTCTCTGGAGATGACCTAGAATGCAGAGAAACAGCCTCCTCTCCCAA
 AAGCCAACAAGAAATTAATGCTGATATAAAACGTAAATTAAGTGAAGGAACCTCCGATGCGTTGGACAAAAA
 TATGAAAAATCTTCGAAATGCTTGAAGGAGTGAAGGACCTACTGCAGTCAGGAAACGATTTTTTGAAT
 CCATCATCAAGGAAGCAGCAAGATGTATGAGACGAGACTTTGTTAAGCACCTTAAGAAGAACTGAAACG
 TATGATT

A**CGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG213242 representing NM_001017436
 Red=Cloning site Green=Tags(s)

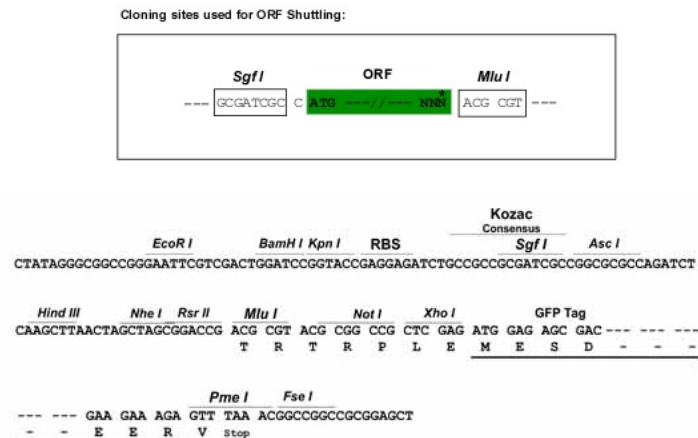
MTDKTEKVAVDPETVFKRPRECDSPSYQKRQRMALLARKQGAGDSLIAGSAMSKAKKLMTGHAIPPSQLD
 SQIDDFTFGSKDRMMQKPGSNAPVGGNVTSSFSGDDLECRETASSPKSQEINADIKRKLVKELRCVGQK
 YEKIFEMLEGVQPTAVRKRFFESIIEAARCMRRDFVKHLKKKLKRM

T**R**TRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_001017436

ORF Size: 567 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001017436.1](#), [NP_001017436.1](#)

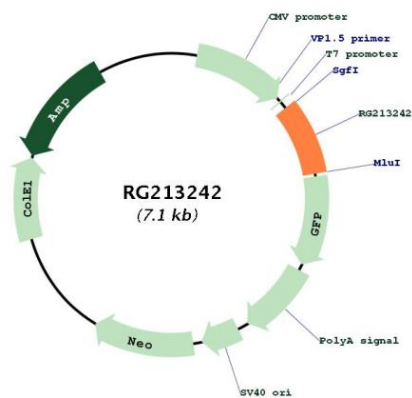
RefSeq Size: 1008 bp

RefSeq ORF: 570 bp

Locus ID: 441520

Cytogenetics: Xq26.3

Product images:



Circular map for RG213242